## **PATENT COOPERATION TREATY**

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see form PCT/ISA/220				WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43 <i>bis</i> .1)	
				Date of mailing (day/month/year) se	ee form PCT/ISA/210 (second sheet)
Applicant's or agent's file reference see form PCT/ISA/220				FOR FURTHER ACTION See paragraph 2 below	
	national application N T/IB2004/003959		International filing date (02.12.2004	day/month/year)	Priority date (day/month/year) 10.12.2003
			both national classification 9/44, C09B29/08, C09		
	icant ARIANT INTERN	ATIONAL LTC	)		
١.	This opinion co	ntains indicati	ons relating to the fol	lowing items:	
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	☑ Box No. I	Basis of the op	oinion		
	☐ Box No. II	Priority		and to povolby invent	tive step and industrial applicability
	☐ Box No. II☐ Box No. III	Priority Non-establish	ment of opinion with reg	ard to novelty, invent	tive step and industrial applicability
	☐ Box No. II	Priority Non-establish Lack of unity of	ment of opinion with reg of invention tement under Rule 43 <i>bi</i>	is.1(a)(i) with regard t	o novelty, inventive step or industrial
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## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/IB2004/003959

		APZUREC'OPCT/PTO 09 JUN 2006			
	Box No	o. I Basis of the opinion			
1.	With re	Vith regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.			
	lar	is opinion has been established on the basis of a translation from the original language into the following iguage , which is the language of a translation furnished for the purposes of international search and 23.1(b)).			
2.	With renecess	th regard to any <b>nucleotide and/or amino acid sequence</b> disclosed in the international application and cessary to the claimed invention, this opinion has been established on the basis of:			
	a. type	a. type of material:			
		a sequence listing			
		table(s) related to the sequence listing			
	b. form	nat of material:			
		in written format			
		in computer readable form			
	c. time	of filing/furnishing:			
		contained in the international application as filed.			
		filed together with the international application in computer readable form.			
		furnished subsequently to this Authority for the purposes of search.			
3.	h: Ci	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto as been filed or furnished, the required statements that the information in the subsequent or additional opies is identical to that in the application as filed or does not go beyond the application as filed, as oppropriate, were furnished.			
4	. Additional comments:				

International application No. PCT/IB2004/003959

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

1-8

No:

Inventive step (IS)

Yes: Claims

Claims

1-8

No: Claims

Industrial applicability (IA)

Yes: Claims

1-8

No: Claims

2. Citations and explanations

see separate sheet

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

see separate sheet

## 10/582418 (AP20 Rec'd PCT/PTO 09 JUN 2006 International application No.

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

PCT/IB2004/003959

V. Reference is made to the following documents:

D1: WO -A- 2004/035690

D2: GB -A- 0 909 843

D3: WO -A- 95/20014

- V.1. The current application seems to fullfill the requirements with regard to novelty, inventivity and industrial applicability as set out in Article 33(1) PCT.
- V.1.1. The problem underlying the current application can be seen (vis à vis D2/D3) as 'providing new alternative dispersive dyes to colour or print hydrophobic materials like textiles (polyester, cellulose acetat) resp. for mass colouration of polymers as well as for the ink jet printing technique resp. hot-melt process'.
- V.1.2. Regarding formula (1) of the current application, D2 discloses a dyestuff bearing a methyl group in the position of R5 (see example 40). It is used to colour cellulose acetat. In col. 2, page 1 of D2, a list of prefered chemical groups is given for the substructure X of the molecule, thereby methyl carbonyl is mentioned as the only carbonyl linked group. Proposed is also phenyl, but not phenyl carbonyl. C-pentanone resp. c-hexanone rings, which are defined for R5 in the application as well, are not mentioned in D2, either. The dyestuffs of D2 solve the same technical problem as mentioned above. A skilled person would under certain circumstances choose methyl carbonyl in the position of X, but not phenyl carbonyl. Furthermore, carbonyl is only an optional feature in D2 and therefore not critical as in the current application. Current claims 1-8 therefore seem not to be obvious from D2.
- V.1.3. D3 describes the preparation of a dyestuff also bearing a methyl group in the position of R5 (see example 64 as well as he table on page 18) and which is also used to colour cellulose acetat. The dyestuffs of D3 solve the same technical problem as the one of the current application. No hint is given in D3 for a phenyl carbonyl group in the ester function. Claims 1-8 therefore seem to be not obvious from D3.

  As D2 and D3 miss this critical feature, also a combination D2/D3 would not lead a skilled person to the dyestuffs as defined in current claim 1.
- VII. Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the documents D1-D3 is not mentioned in the description, nor are these documents identified therein.